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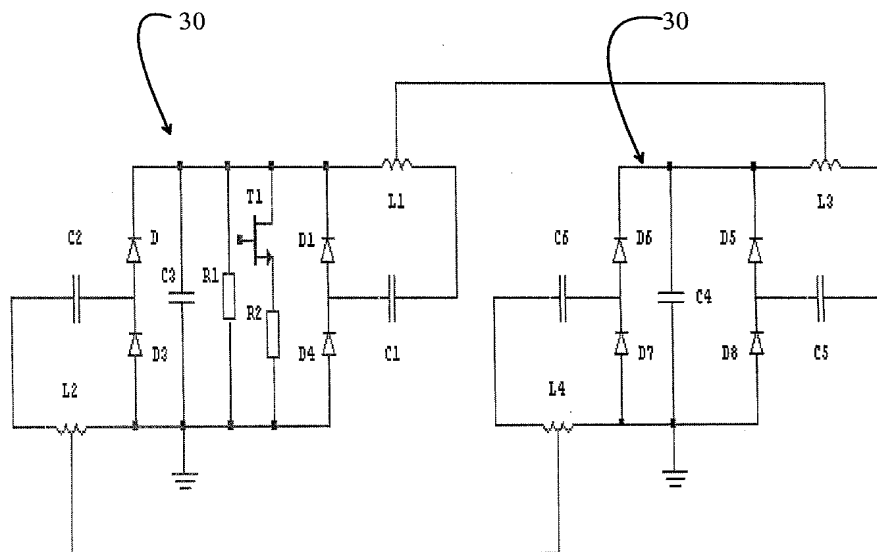
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**(54) Title:** COIL SYSTEM AND VOLTAGE RECTIFIERS FOR COMMUNICATION AND INDUCTIVE POWERING OF DEVICES INSIDE ROTATING TYRE OF A VEHICLE



**(57) Abstract:** The present invention relates to a power feeding arrangement for electric loads (R) positioned in tires (20) of vehicles. According to the invention the arrangement comprises at least one feed coil ( $L_f$ ) arranged in the vehicle (10), at least one receiver coil ( $L_r$ ) arranged in the tire (20), and at least one load (R) electrically coupled to the receiver coil ( $L_r$ ).

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*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*